PTO/SB/08 (08-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: April 23, 2009

(use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	10/507,506
Filing Date	12/13/2004
First Named Inventor	Moritz Rossner
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	085449-0150

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	6,294,330 B1	09/25/1001	Michnick et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
	B1	WO 95/29195	11/02/1995	Varshavsky		
	B2	WO 01/94617 A2	12/13/2001	Michnick et al.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]
	C1	Ashman et al., "Cell Signalling-The Proteomics of it All," pp. 1-6 (2001).	
	C2	Ehrhard et al., "Use of G-Protein Fusions to Monitor Integral Membrane Protein-Protein Interactions in Yeast," *Nature Biotechnology*, pp. 1075-1079 (2000).	
	C3	Eyckerman et al., "Design and Application of a Cytokine-Receptor-Based Interaction Trap," *Nature Cell Biology*, Vol. 3, pp. 1114-1119 (2001).	
	C4	Fearon et al., "Karyoplasmic Interaction Selection Strategy: A General Strategy to Detect Protein-Protein Interactions in Mammalian Cells," *Proc. Natl. Acad. Sci. USA*, Vol. 89, pp. 7958-7962 (1992).	
	C5	Gavin et al., "Functional Organization of the Yeast Proteome by Systematic Analysis of Protein Complexes," *Nature*, Vol. 415, pp. 141-147 (2002).	
	C6	Haj et al., "Imaging Sites of Receptor Dephosphorylation by PTP1B on the Surface of the Endoplasmic Reticulum," *Science*, Vol. 295, pp. 1708-1711 (2002).	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.S./

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: April 23, 2009

(use as many sheets as necessary)

Sheet 2 of 3

Complete if Known	
Application Number	10/507,506
Filing Date	12/13/2004
First Named Inventor	Moritz Rossner
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	085449-0150

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]
	C7	Hazzalin et al., Mapk-Regulated Transcription: A Continuously Variable Gene Switch?," *Nature*, Vol. 3, pp. 30-40 (2002).	
	C8	Hubsman et al., "A Novel Approach for the Identification of Protein-Protein Interaction with Integral Membrane Proteins," *Nucleic Acids Research*, Vol. 29, No. 4, pp. 1-6 (2001).	
	C9	Hunter, "Signaling-2000 and Beyond," *Cell*, Vol. 100, pp. 113-127 (2000).	
	C10	Husi et al., "Proteomic Analysis of NMDA Receptor-Adhesion Protein Signaling Complexes," *Nature Neuroscience*, Vol. 3, No. 7, pp. 661-669 (2000).	
	C11	Huttner et al., "Lipids, Lipid Modification and Lipid-Protein Interaction in Membrane Budding and Fission-Insights from the roles of Endophilin A1 and Synaptophysin in Synaptic Vesicle and Endocytosis, " pp. 543-551 (2000).	
	C12	Johnsson et al., "Split Ubiquitin as a Sensor of Protein Interactions in Vivo," *Proc. Natl. Acad. Sci. USA*, Vol. 91, pp. 10340-10344 (1994).	
	C13	Karimova et al., "A bacterial Two-Hybrid System based on a Reconstituted Signal Transduction Pathway," *Proc. Natl. Acad. Sci. USA*, Vol. 95, pp. 5752-5756 (1998).	
	C14	Luban et al., "The Yeast Two-Hybrid System for Studying Protein-Protein Interactions," *Current Opinion in Biotechnology*, pp. 59-64 (1995).	
	C15	Maroun et al., "A Novel in Vivo Assay for the Analysis of Protein-Protein Interaction," *Nucleic Acids Research*, Vol. 27, No. 13, pp. 1-5 (1999).	
	C16	Marshall, "Specificity of Receptor Tyrosine Kinase Signaling: Transient Versus Sustained Extracellular Signal-Regulated Kinase Activation," *Cell*, Vol. 80, pp. 179-185 (1995).	
	C17	Migaud et al., "Enhanced Long-Term Potentiation and Impaired Learning in Mice with Mutant Postsynaptic Density-95 Protein," *Nature*, Vol. 396, pp. 433-439 (1998).	
	C18	Mohler et al., "Gene Expression and Cell Fusion Analyzed by *lacZ* Complementation in Mammalian Cells," *Proc. Natl. Acad. Sci. USA, Vol. 93*, pp. 12423-12427 *(1996).*	
	C19	Pawson et al., "Signaling Through Scaffold, Anchoring, and Adaptor Proteins," *Science*, Vol. 278, pp. 2075-2080 (1997).	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.S./

PTO/SB/08 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: April 23, 2009

(use as many sheets as necessary)

Sheet 3 of 3

Complete if Known	
Application Number	10/507,506
Filing Date	12/13/2004
First Named Inventor	Moritz Rossner
Art Unit	1652
Examiner Name	Sheridan Swope
Attorney Docket Number	085449-0150

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[6]
	C20	Pelletier et al., "Oligomerization Domain-Directed Reassembly of Active Dihydrofolate Reductase from Rationally Designed Fragments," *Proc. Natl. Acad. Sci.*, Vol. 95, pp. 12141-12146 (1998).	
	C21	Rigaut et al., "A Generic Protein Purification Method for Protein Complex Characterization and Proteome Exploration," *Nature Biotechnology*, Vol. 17, pp. 1030-1032 (1999).	
	C22	Rojo-Niersbach et al., "A New Method for the Selection of Protein Interactions in Mammalian Cells," *Biochem J.*, Vol. 348, pp. 585-590 (2000).	
	C23	Rossi et al., "Monitoring Protein-Protein Interactions in Intact Eukaryotic Cells by β-Galactosidase Complementation," *Proc. Natl. Acad. Sci. USA*, Vol. 94, pp. 8405-8410 (1997).	
	C24	Shioda et al., "A Green Fluorescent Protein-Reporter Mammalian Two-Hybrid System with Extrachromosomal Maintenance of a Prey Expression Plasmid: Application to Interaction Screening," *PNAS*, Vol. 97, No. 10, pp. 5220-5224 (2000).	
	C25	Siegel et al., "Measurement of Molecular Interactions in Living Cells by Fluorescence Resonance Energy Transfer between Variants of the Green Fluorescent Protein," pp. 1-6 (2000).	
	C26	Simons et al., "Functional Rafts in Cell Membranes," *Nature*, Vol. 387, pp. 569-572 (1997).	
	C27	Ullmann et al., "Identification by in Vitro Complementation and Purification, of a Peptide Fraction of Escherichia Coli Beta-Galactosidase," J. Mol. Biol. Vol. 12, No. 3, pp. 918-23 (1965). [Non-English]	
	C28	Xu et al., "A Bioluminescence Resonance Energy Transfer (BRET) System: Application to Interacting Circadian Clock Proteins," *Proc. Natl. Acad. Sci. USA*, Vol. 96, pp. 151-156 (1999).	
	C29	Yasukawa et al., "Negative Regulation of Cytokine Signaling Pathways," *Annu. Rev. Immunol.*, pp. 143-164 (2000).	

Examiner Signature	/Sheridan Swope/	Date Considered	04/27/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.S./